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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/633,687	08/07/2000	Kathryn A. Engholm	6972 US	3621

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EXAMINER

NATNAEL, PAULO S M

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 10/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/633,687

Applicant(s)

ENGHOLM, KATHRYN A.

Examiner

Paulos M. Natnael

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7, 10 and 11 is/are rejected.
- 7) ☒ Claim(s) 8, 9, 12 and 13 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 and 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the claimed “text display adjacent the status ribbon containing the additional detail” in claim 9, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims **1-3, 6-7, 10-11** are rejected under 35 U.S.C. 102(b) as being anticipated by Yokoyama et al., U.S. Pat. No. 5,291,285.

Considering claim 1, the claimed display of signal characteristics for multiple channels/codes within a region of interest comprising a status ribbon having a plurality of stripes, each stripe

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representing at least one channel/code within the region of interest and having a trait representative of a value for the at least one channel/code is met by the disclosure in Fig.3 that “a region 92 within the scale display region 91 for displaying level images, such as bars 97, associated with respective TV channels; a region 93 below the region 92 for displaying TV channel numbers; a region 94 for displaying digital values and other data for a specified channel (SP-CH) and a region for displaying other data items.” (Col. 4, line 64 through col. 5, line 2)

Considering claim 2, wherein the trait represents a measured value for a signal parameter of the at least one channel where the region of interest is a frequency range having multiple channels, is met by is met by Fig.3, which illustrates the control panel and screen of a TV signal level meter, including bars 96,97 and 98 show the digital level value of a specified channel.

Considering claim 3, wherein the trait represents a condition for a signal parameter of the at least one channel where the region of interest is a frequency range having multiple channels.

Regarding claim 3, see rejection of claim 2;

Considering claim 6 and 7, wherein the trait is color and wherein the trait is brightness, respectively, is inherent because bar graphs in spectrum analyzers such as shown in FIG.3 for channels 96 to 98 or for other data are shown in different colors or different brightness levels to make it easier for the user of the level meter or spectrum analyzer.

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Considering claim **10**, wherein the trait represents activity for the at least one code where the region of interest is a digital communications radio frequency channel is met by bar 96, Fig.3.

Considering claim **11**, wherein the trait represents a parameter for the at least one code where the region of interest is a digital communications radio frequency channel.

Regarding claim 11, see rejection of claim 10.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims **4 and 5** are rejected under 35 U.S.C. 103(a) as being unpatentable over Yokoyama et al., U.S. Pat. No. 5,291,285.

Considering claims **4 and 5**, Yokoyama et al. discloses all claimed subject matter, except for, wherein the condition is selected from the group consisting of pass and fail and wherein the condition is selected from the group consisting of pass, caution and fail;

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Regarding claims 4 and 5, Yokoyama discloses the “region 94 for displaying digital values and other data for a specified channel (SP-CH); and a region for displaying other data items. Yokoyama discloses a TV signal level meter which is capable of measuring an simultaneously indicating the levels of signal for a multitude of TV channels. (Col. 2, lines 5-8) Since the claimed conditions such as pass, caution and fail imply some sort of measurement or test had been done or conducted on the desired subject, it would have been, therefore, obvious to the skilled in the art at the time the invention was made to modify the reference of Yokoyama in order to display such claimed conditions as pass, caution and fail in the region 94 for displaying digital values and other data items.

Allowable Subject Matter

6. Claims 8-9, 12-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to disclose a display of signal characteristics comprising, a draggable window encompassing a subset of codes for which additional detail is desired where the region of interest is a digital communications radio frequency channel, as in claims 8 and 12; and comprising a subsidiary window having a plurality of stripes representing the subset of codes, each stripe

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representing a single one of the subset of codes and having the trait representative of the value for the single one of the subset of codes, as in claim 13.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Smith et al., U.S. Pat. No. 4,870,348 discloses markers for readout and delta-parameter measurements on a quasi-3-dimensional display of a spectrum.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Paulos Natnael** whose telephone number is **(703) 305-0019**. The examiner can normally be reached on **Monday through Friday** from **6:30 a.m.** to **3:00 p.m.**

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John Miller**, can be reached on **(703) 305-4795**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is **(703) 305-3900**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communications intended for entry)


or:

(703)872-9314 (for informal or draft communications, please label "PROPOSED" OR "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, V.A. Sixth Floor (Receptionist).

Paulos M. Natnael

September 13, 2002


JOHN MILLER
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